

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
17 February 2005 (17.02.2005)

PCT

(10) International Publication Number
WO 2005/014052 A1

(51) International Patent Classification⁷: A61K 51/10,
A61P 35/00

(21) International Application Number:
PCT/EP2004/051663

(22) International Filing Date: 29 July 2004 (29.07.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2003904201 11 August 2003 (11.08.2003) AU

(71) Applicant (for all designated States except US): THE
EUROPEAN COMMUNITY, represented by the Eu-
ropean Commission [—/BE]; 200, rue de la Loi, B-1049
Brussels (BE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): ALLEN, Barry
[AU/AU]; 5 Muneela Place, Yowie Bay, New South
Wales 2228 (AU). RIZVI, Syed [AU/AU]; 2, Kenneth
Place, Glenfield, New South Wales 2167 (AU). LI, Yong
[AU/AU]; 42/9-13 West Street, Horstville, New South
Wales 2220 (AU). ON, Chang Fa [AU/AU]; D4/19-29
Marco Avenue, Revesby, New South Wales 2212 (AU).

(74) Agents: OCVIRK, Philippe et al.; Office Ernest T.
Freylinger S.A., B.P. 48, L-8001 Strassen (LU).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: RADIOIMMUNOCONJUGATES FOR TARGETED ALPHA THERAPY

(57) Abstract: A radioimmunoconjugate for targeted alpha therapy comprises an alpha-emitter (e.g. Bi-213) linked to the mono-
clonal antibody C595. This radioimmunoconjugate is widely applicable in cancer therapy and is particularly efficient for treatment
of pancreatic and prostate cancer, as well as for breast and ovarian cancer.

WO 2005/014052 A1